SPHEROID FORMATION PROMOTER

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Application Number: JP19960202876 19960712

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EC Classification:

Equivalents:

Abstract

PROBLEM TO BE SOLVED: To obtain both a hepatocyte steroid formation promoter and an artificial liver containing the promoter, comprising a hepatocyte growth factor and an epithelial cell growth factor. SOLUTION: This steroid formation promoter comprises a combination of TCF-II (tumor cell obstacle factor, TCF for short) as a hepatocyte growth factor and an epithelial cell growth factor (EGF for short). The ratio of use is 10-10,000 TCF and 0-50 EGF. Preferably, the promoter is made into a form such as solution. The prepared spheroid formation promoter is used to give a multicellular type polyurethane/spheroid packed layer artificial liver. TCF is a known protein derived from a human fibroblast and is obtained by concentrating a culture solution of a human fibroblast, adsorbing the solution on an ion exchanger and purifying or by a genetic enginnering method. A hepatocyte spheroid to become the base of an artificial liver is efficiently obtained in a short period.

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JP10029951 Biblio Drawing





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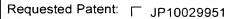


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(54) 【発明の名称】 スフェロイド形成促進剤

(57)【要約】

【課題】 肝細胞スフェロイド形成促進剤及びそれを含 有する人工肝臓の提供。

【解決手段】 肝細胞増殖因子及び上皮細胞増殖因子よ りなるスフェロイド形成促進剤。該スフェロイド形成促 進剤を含有する人工肝臓、肝細胞増殖因子としては、T CF-IIが用いられる肝細胞スフェロイドの形成を、短 期間で効率的に促進し、効率的な人工肝臓を得ることが できる。